

UNITED STATES PATENT AND TRADEMARK OFFICE
CERTIFICATE OF CORRECTION

PATENT NO. : 7,031,018 B1
APPLICATION NO. : 09/675049
DATED : April 18, 2006
INVENTOR(S) : Yasuhiro Kawakatsu et al.

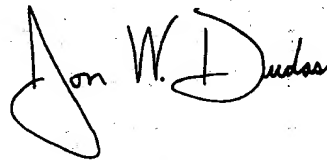
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It is certified that error appears in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

TITLE PAGE, ITEM (56) FOREIGN PATENT DOCUMENTS change
"WO A-3-280164" to --JP A-3-280164--.

Signed and Sealed this

Twenty-first Day of November, 2006

A handwritten signature in black ink, appearing to read "Jon W. Dudas". The signature is stylized with a large, sweeping initial "J" and a distinct "D".

JON W. DUDAS
Director of the United States Patent and Trademark Office